ABSTRACT OF THE DISCLOSURE

5   A method of tracking phase error of OFDM pilots in an OFDM frame includes adjusting a width of a closed loop tracking bandwidth of a pilot phase tracking loop while receiving OFDM data symbols to minimize frequency errors resulting from frequency pushing and frequency pulling in an OFDM transceiver. In one variation, the adjusting includes operating the

10   pilot tracking loop at a closed loop tracking bandwidth that is wider than a nominal closed loop tracking bandwidth when tracking one or more OFDM data symbols at the beginning of a data portion of an OFDM MAC frame and then reducing the closed loop tracking bandwidth of the pilot tracking loop to the nominal closed loop tracking bandwidth when tracking OFDM data

15   symbols subsequent to the one or more OFDM data symbols.